

Joel S. Miller, Ph.D.

Academia

Few of us have the pleasure, in the course of our careers, of turning accepted dogma on its head, and creating a new field of study in the process. But many colleagues of Dr. Miller, Distinguished Professor of Chemistry at the University of Utah, took pains to point out that he has done just that. Said one, "He and his coworkers have achieved the impossible - they have made polymeric organic materials which are magnets. Before Miller's work in this area, anyone who claimed that they could do this would be placed in 'the Goofy Bin.' Today, Miller and his work are being praised by the world's leading scientists." This entirely new class of magnets, the first in over 400 years, exploits highly creative chemical synthesis rather than the energy-intensive metallurgical processing required to form conventional magnets, and shows great promise for commercial applications. Having first honed his skills in industrial labs at Xerox and DuPont, Dr. Miller came to the UU in 1993. Known as an excellent lecturer, Prof. Miller has given over 400 seminars in various venues, as well as coauthoring over 400 articles in peer reviewed publications.

*Dr. Miller was unable to attend the ceremony, he was out of the country.